

DIVISION 03—CONCRETE

FORMAT

1. Technical specifications content and numbering system shall be based on the 2004 version of CSI MasterFormat.

BASIS OF DESIGN

1. BGSU Design standards shall not replace fully developed, project and market specific technical specification. Associate shall utilize the Standards as a minimum standard to guide the design and execution in the field. Exceptions to these standards are allowed provided they are approved by Design & Construction.
2. In instances where fewer than 3 manufacturers are indicated, the Associates shall insert "or approved substitute" in the Products section of the technical specifications.
3. All submitted substitute products shall be brought to the attention of Design & Construction, prior to approval.

RELATED SECTION

1. 32-Exterior Improvements

GENERAL PROVISIONS

1. Exterior concrete shall be 4,000 psi compressive strength after 28 days
2. Exterior concrete shall be air-entrained.
3. Apply non-staining, non-yellowing curing and sealing compound to all exterior horizontal concrete surfaces and stairs. When using a two-step process where a film-forming curing compound is applied, follow up with a sealing compound after curing compound is removed; or a single-step curing and sealing application.
4. Wood in contact with concrete shall be pressure treated with an approved preservative to meet AWPA Standards.
5. Concrete testing shall be conducted by a testing agency agreed to by the Project Manager if the quantity of the pour merits it.
 - a. Associate shall include contractor testing responsibilities in the technical specifications.
 - b. Tests shall be for
 - i. base compaction
 - ii. slump
 - iii. air content
 - iv. strength

03 33 00—ARCHITECTURAL CONCRETE

1. Stairs, architectural retaining walls, and other exposed concrete surfaces integral to the building shall have an ACI 301 Smooth-Rubbed Finish.
2. Exterior concrete stairs noses and other horizontal surfaces areas prone to

de-icing salts shall use fiber reinforced polymer (FRP) or epoxy-coated reinforcing bars.

End of Section